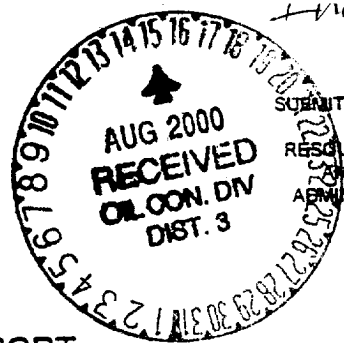


SEP 10 1999
DENIED

JICARILLA APACHE TRIBE
ENVIRONMENTAL PROTECTION OFFICE
P.O. BOX 507
DULCE, NEW MEXICO 87528



SUBMIT 1 COPY TO:
NATURAL
RESOURCE DEPT
AND OIL GAS
ADMINISTRATION

PIT REMEDIATION AND CLOSURE REPORT

Operator: <u>Robert L Bayless</u>		Telephone: <u>326-2659</u>	
Address: <u>318 170 Farmington NM 87401</u>			
Facility or Well Name: <u># 109 Jic JT Venture PC</u>			
Location:	Unit: <u>D</u>	Sec. <u>10</u>	T. <u>23</u> N R. <u>3</u> W County <u>Rio Arriba</u>
Pit Type:	Separator <u> </u>	Dehydrator <u> </u>	Other <u>Drip</u>
Land Type: <u>Jicarilla Apache</u>			
Pit Location:	Pit dimensions: length <u>8</u> width <u>8</u> depth <u>6'</u>		
(Attach diagram)	Reference: wellhead <u> </u> other <u> </u>		
Footage from reference: <u> </u>			
Direction from reference: <u>276°</u> Degrees <u> </u> East of North <u>X</u>			
<u> </u> West of South <u> </u>			
Depth to Ground Water:			
(Vertical distance from contaminants to seasonal high water elevation of ground water)		Less than 50 feet (20 points)	<u>0</u>
		50 feet to 99 feet (10 points)	
		Greater than 100 feet (0 points)	
Wellhead Protection Area:			
(Less than 200 feet from a private domestic water source, or less than 1,000 feet from all other water sources)		Yes (20 points)	<u>0</u>
		No (0 points)	
Distance to Surface Water:			
(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)		Less than 200 feet (20 points)	<u>0</u>
		200 feet to 1,000 feet (10 points)	
		Greater than 1,000 feet (0 points)	
Distance to Ephemeral Stream (dry wash):			
(Horizontal distance to all downgradient streams having a width of at least 10 feet)		Less than or equal to 100 feet (10 points)	<u>0</u>
		Greater than 100 feet (0 points)	
Distance to Nearest Lake, Playa, or Watering Pond:			
(Horizontal distance to all downgradient lakes, playas, and livestock or wildlife water ponds)		Less than or equal to 100 feet (10 points)	<u>0</u>
		Greater than 100 feet (0 points)	
RANKING SCORE (TOTAL POINTS):			<u>0</u>

Date Remediation Started: 11-18-97 Date Completed: 11-19-97

Remediation Method: Excavation _____ Approx. Cubic Yards _____

(Check all appropriate sections) Landfarmed X Amount Landfarmed (cubic yds): 8

Other _____

Remediation Location: Onsite _____ Offsite _____

(i.e., landfarmed onsite, name and location of offsite facility)

General Description of Remedial Action:

Arrived on location and took down fence
excavated pit to bottom 6' This pit was
carved into sandstone All walls and bottom were
cleaned out and samples were took

Ground Water Encountered: No X Yes _____ Depth _____

Final Pit Closure Sampling:

Sample Location _____

(If multiple samples, attach sample result and diagram of sample locations and depths.)

Sample depth 6'

Sample date 11-19-97 Sample time 12:00

Sample Results

Soil: Benzene (ppm) _____ Water: Benzene (ppb) _____

Total BTEX (ppm) ND Toluene (ppb) _____

Field headspace (ppm) 0 Ethylbenzene (ppb) _____

TPH ND ppm Method 418.1 Total Xylenes (ppb) _____

Ground Water Sample: Yes ND No X (If yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND MY BELIEF

DATE 11-19-97 PRINTED NAME Dave Sims

SIGNATURE Dave Sims AND TITLE Project Manager

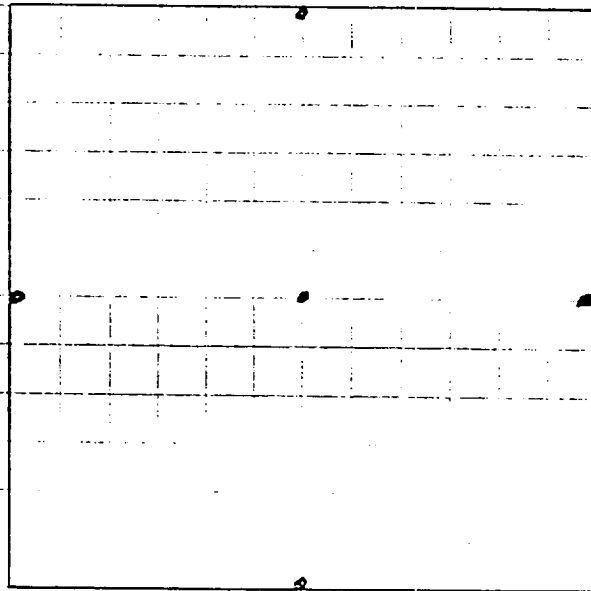
AFTER REVIEW OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE TO JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.

APPROVED: YES X NO _____ (REASON): _____

SIGNED: Kee C Mamm DATE: 2-6-98

Location: #109 Jic. IT Venture PC

Depth: 6'



• Denotes sample location

Samples:

Northern	:0
South	:0
East	:0
West	:0
Bottom	:0

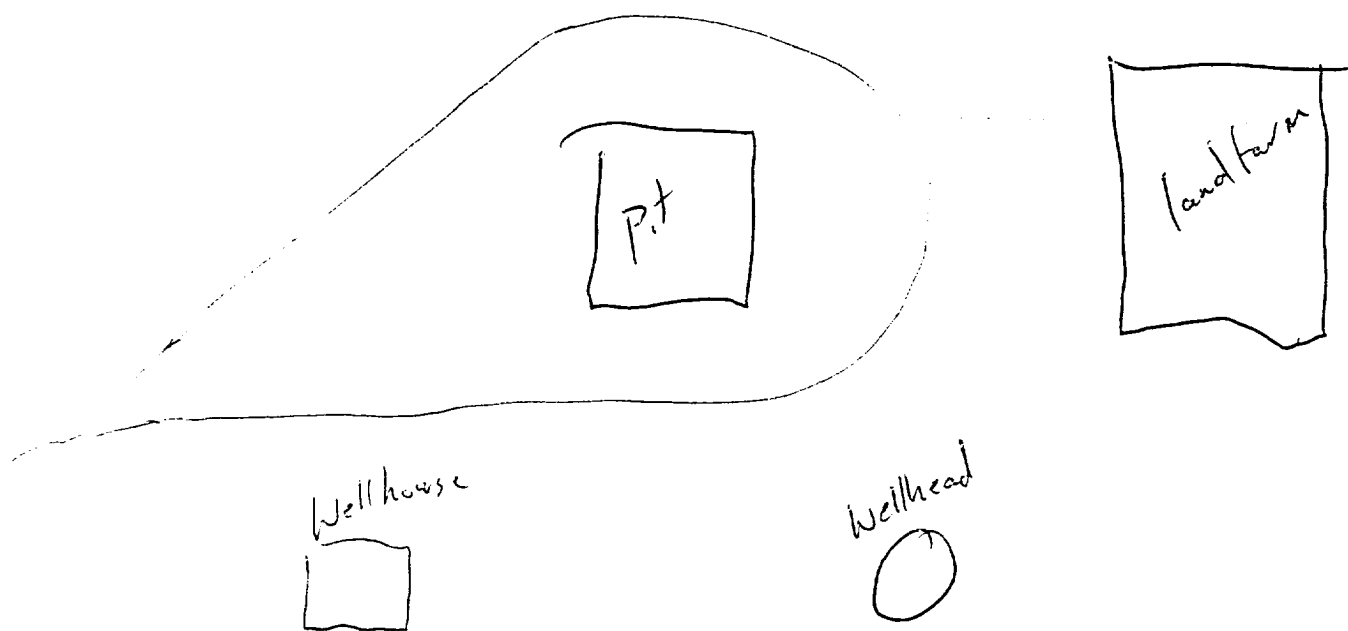
109 Jic. J.T. Venture PC
11-19-97

Moved to location
Took down fence

Excavated pit to a depth of 6' the
pit had been carved into sandstone
the pit was cleaned of all dirt and
samples were taken

Bottled Samples
put up fence

109 Jic JT Venture PC



OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn: *David Sims*
Company: *Arrowhead*
Address: *P.O. Box 2522*
City, State: *Farmington, NM 87499-2522*

Date: *25-Nov-97*
COC No.: *6589*
Sample No.: *16904*
Job No.: *2-1000*

Project Name: *RMI / Arrowhead*
Project Location: *#109 Jic JT Venture PC Bottom*
Sampled by: *WM* Date: *19-Nov-97* Time: *12:00*
Analyzed by: *DC* Date: *23-Nov-97*
Sample Matrix: *Soil*

Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
<i>Benzene</i>	ND	ug/kg	1	ug/kg
<i>Toluene</i>	ND	ug/kg	1	ug/kg
<i>Ethylbenzene</i>	ND	ug/kg	1	ug/kg
<i>m,p-Xylene</i>	ND	ug/kg	1	ug/kg
<i>o-Xylene</i>	ND	ug/kg	1	ug/kg
	<i>TOTAL</i>	ND		ug/kg

ND - Not Detected at Limit of Quantitation

Method - SW-846 EPA Method 8020A Aromatic Volatile Organics by Gas Chromatography

Approved by: *[Signature]*
Date: *11/25/97*

ON SITE

OFF: (505) 325-5667

TECHNOLOGIES, LTD.

LAB: (505) 325-1556

ANALYTICAL REPORT

Attn: David Sims
Company: Arrowhead
Address: P.O. Box 2522
City, State: Farmington, NM 87499-2522

Date: 25-Nov-97
COC No.: 6589
Sample No.: 13904
Job No.: 2-1000

Project Name: Arrowhead / RMI
Project Location: #109 Jic JT Venture PC Bottom
Sampled by: WM Date: 19-Nov-97 Time: 12:00
Analyzed by: HR Date: 24-Nov-97
Sample Matrix: Soil

Laboratory Analysis

Parameter	Results as Received	Limit of Quantitation	Unit of Measure	Method
Total Petroleum Hydrocarbons, TPH	ND	25	mg/kg	EPA Method 418.1

ND - Not Detected at Limit of Quantitation

Quality Assurance Report

Laboratory Fortified Blank/Spike Soil

Laboratory Identification	Analyzed Value	Acceptable Range	Unit of Measure
Laboratory Fortified Blank Soil - QCBS2	ND	ND	mg/kg
Laboratory Fortified Spike Soil - QCSS1	857	800-1200	mg/kg

Duplication

Laboratory Identification	RPD	Limit RPD
16928-3753	8.3	15.0

Approved by:

Date:

OFF: (505) 325-5667

ON SITE

TECHNOLOGIES, LTD.

LAB: (505) 325-1556

ANALYTICAL REPORT

Attn: *David Sims*
Company: *Arrowhead*
Address: *P.O. Box 2522*
City, State: *Farmington, NM 87499-2522*

Date: *25-Nov-97*
COC No.: *6589*
Sample No.: *10503*
Job No.: *2-1000*

Project Name: *RMI / Arrowhead*
Project Location: *#109 Jic JT Venture PC Composite*
Sampled by: *WM* Date: *19-Nov-97* Time: *12:00*
Analyzed by: *DC* Date: *23-Nov-97*
Sample Matrix: *Soil*

Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
<i>Benzene</i>	ND	ug/kg	1	ug/kg
<i>Toluene</i>	ND	ug/kg	1	ug/kg
<i>Ethylbenzene</i>	ND	ug/kg	1	ug/kg
<i>m,p-Xylene</i>	ND	ug/kg	1	ug/kg
<i>o-Xylene</i>	ND	ug/kg	1	ug/kg
<i>TOTAL</i>	ND	ug/kg		

ND - Not Detected at Limit of Quantitation

Method - SW-846 EPA Method 8020A Aromatic Volatile Organics by Gas Chromatography

Approved by: *[Signature]*
Date: *11-27-97*

P.O. BOX 2606 • FARMINGTON, NM 87499

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn: **David Sims**
Company: **Arrowhead**
Address: **P.O. Box 2522**
City, State: **Farmington, NM 87499-2522**

Date: **25-Nov-97**
COC No.: **6589**
Sample No.: **16903**
Job No.: **2-1000**

Project Name: **Arrowhead / RMI**
Project Location: **#109 Jic JT Venture PC Composite**
Sampled by: **WM** Date: **19-Nov-97** Time: **12:00**
Analyzed by: **HR** Date: **24-Nov-97**
Sample Matrix: **Soil**

Laboratory Analysis

Parameter	Results as Received	Limit of Quantitation	Unit of Measure	Method
Total Petroleum Hydrocarbons. TPH	ND	25	mg/kg	EPA Method 418.1

ND - Not Detected at Limit of Quantitation

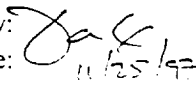
Quality Assurance Report

Laboratory Fortified Blank/Spike Soil

Laboratory Identification	Analyzed Value	Acceptable Range	Unit of Measure
Laboratory Fortified Blank Soil - QCBS2	ND	ND	mg/kg
Laboratory Fortified Spike Soil - QCSS1	857	800-1200	mg/kg

Duplication

Laboratory Identification	RPD	Limit RPD
16928-3753	8.3	15.0

Approved by: 

Date: **11/25/97**

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 30-Sep-98

Client:	Bayless Drilling Company / Robert L. Bayl	Client Sample Info:	R.L. Bayless
Work Order:	9809076	Client Sample ID:	Jic. JT Venture #109
Lab ID:	9809076-07A	Matrix:	SOIL
Project:	Jicarilla Pits	Collection Date:	9/25/98 1:34:00 PM
		COC Record:	5568

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
TPH, T/R SOIL		E418.1				
Petroleum Hydrocarbons, T/R	ND	24		mg/Kg	1	Analyst: HR 9/28/98

Qualifiers:

- PQL - Practical Quantitation Limit
- ND - Not Detected at Practical Quantitation Limit
- J - Analyte detected below Practical Quantitation Limit
- B - Analyte detected in the associated Method Blank

- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- Surr: - Surrogate

1 of 1

**FARMINGTON LABORATORY**

807 S. CARLTON
FARMINGTON, NM 87499-1289
(505) 326-2588

Certificate of Analysis No. F2-9806106-13

Robert L. Bayless
368 NM HWY 170
Farmington, NM 87401
ATTN: DAVE SIMMS

DATE: 06/26/98

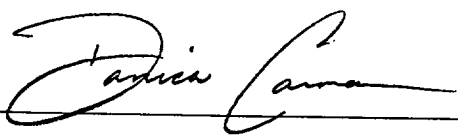
PROJECT: Bayless-Jicarilla Pit Work
SITE:
SAMPLED BY: D. Allred
SAMPLE ID: JV #109

PROJECT NO:
MATRIX: SOIL
DATE SAMPLED: 06/22/98
DATE RECEIVED: 06/23/98

ANALYTICAL DATA				
PARAMETER	RESULTS	DETECTION LIMIT	UNITS	
Total Petroleum Hydrocarbons EPA 418.1 Analyzed by: CW Date: 06/24/98	35	10	mg/kg	

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

SPL, Inc. 

JICARILLA APACHE TRIBE
ENVIRONMENTAL
PROTECTION OFFICE
P.O. BOX 507
DULCE, NEW MEXICO 87528

SUBMIT 1 COPY TO
NATURAL
RESOURCE DEPT
AND OIL GAS
ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

Operator: <u>Bayless Drilling</u>		Telephone: <u>325-2659</u>	
Address: <u>318 US Hwy 170 Farmington NM 87401</u>			
Facility or Well Name: <u>JIC AT VENTURE #709</u>			
Location: Unit: <u>D</u> Sec. <u>10</u> T. <u>23</u> N R. <u>3</u> W		County: <u>Pio Arriba</u>	
Land Type: <u>Jicarilla Apache</u>			
Date Remediation Started: <u>6-28-98</u>		Date Completed: _____	
Remediation Method: Landfilled <u>X</u>		Approx. cubic yards: <u>8</u>	
Composted: _____		Other: <u>3 point compost</u>	
Depth to Ground Water: (pts.) <u>0</u>		Final Closure Sampling:	
Distance to an Ephemeral Stream: (pts.) <u>0</u>		Sampling Date: <u>9-25-98</u> Time: <u>1:34pm</u>	
Distance to Nearest Lake, Playa, or Watering Pond: (pts.) <u>0</u>		Sampling Results:	
Wellhead Protection Area: (pts.) <u>0</u>		Field Headspace (ppm) <u>0</u>	
Distance to Surface Water: (pts.) <u>0</u>		TPH (ppm) <u>35</u> Method <u>E 418.1</u>	
Ranking Score (Total Points): <u>0</u>		Other: _____	
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF			
DATE: <u>9-28-98</u>		PRINTED NAME: <u>Donovan Allred</u>	
SIGNATURE: <u>Donovan Allred</u>		AND TITLE: <u>Project Manager</u>	
AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-SITE REMEDIATION APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE			
APPROVED: YES <u>X</u> NO _____		(REASON) <u>Landfill closed</u>	
SIGNED: <u>[Signature]</u>		<u>OK to back fill</u>	
DATE: <u>10/19/98</u>		_____	